

PATENT

DARK GRAY SODA-LIME SILICATE GLASS COMPOSITION INTENDED
FOR MANUFACTURING WINDOWS

Filed by: SAINT-GOBAIN GLASS FRANCE

ABSTRACT

The invention relates to a dark gray soda-lime silicate glass composition which includes a coloring part essentially consisting of the compounds below in contents varying within the following weight limits:

Fe ₂ O ₃ (total iron)	0.7 to 0.95%
CoO	50 to 80 ppm
NiO	400 to 700 ppm

or

Fe ₂ O ₃ (total iron)	0.7 to 0.95%
CoO	200 to 300 ppm
NiO	1500 to 1900 ppm

said composition being free of selenium, having a redox of 0.40 or less, and the glass having a light transmission factor (T_{LA}) under illuminant A of 50% or less and an overall energy transmission factor (T_E) of less than 45%, these being measured for a thickness of 3.85 mm.

The invention also relates to glass sheets, optionally thermally toughened, obtained from the aforementioned composition and to glazing comprising at least one of these sheets, especially as "privacy" windows for automobiles.